

Notice of Allowability

Application No.

09/558,008

Examiner

Stephen M. D'Agosta

Applicant(s)

HONKALA ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the faxed amendment received 9-27-04.
2. ☒ The allowed claim(s) is/are 1-7 and 11-25.
3. ☒ The drawings filed on 24 April 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Arlene Neal (703-720-7897) on 9-27-2004 (ref. faxed received 9-27-04).

1. (Currently Amended) A gateway arrangement for receiving traffic comprising a first type of traffic and a second type of traffic, the gateway arrangement comprising a first gateway and a second gateway, the first gateway being arranged to separate the first and second types traffic, the first type of traffic being output to the second gateway, the second gateway being arranged to extract information from the first type of traffic and output the information to the first gateway, and the first gateway having an output interface which is arranged to transmit the second type of traffic dependent upon the extracted information,

wherein the output interface is also an input interface which is arranged to receive first and second types of traffic signals, the first type of traffic is signaling traffic and the second tune of traffic is payload traffic.

2. (Currently Amended) The arrangement according to claim 1, wherein the first and second gateways are connected to a connector and the ~~first type of~~ signaling traffic is sent between the first and second gateways via the connector.

3. (Previously Presented) The arrangement according to claim 2, wherein the connector is provided by a local area network.

4. (Previously Presented) The arrangement according to claim 1, wherein the first and second gateways are connected directly to each other.

5. (Previously Presented) The arrangement according to claim 1 wherein the first gateway is arranged to be connected to a mobile telecommunications network.

6. (Previously Presented) The arrangement according to claim 5, wherein the first gateway has a second interface for connecting to said mobile telecommunications network.

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7. (Previously Presented) The arrangement according to claim 1, wherein the first gateway is arranged to be connected to a wired telecommunications network.
8. (Canceled)
9. (Canceled)
14. (Canceled)
11. (Previously Presented) The arrangement according to claim 1, wherein the first and second gateways are connected via a wired connection.
12. (Previously Presented) The arrangement according to claim 1, wherein the first and second gateways are connected via a wireless connection.
13. (Previously Presented) The arrangement according to claim 1, wherein a plurality of first gateways are provided for the second gateway.
14. (Previously Presented) The arrangement according to claim 13, wherein eight of the first gateways are provided for the second gateway.
15. (Currently Amended) The arrangement according to claim 1, wherein the first gateway is arranged to alter the coding of the ~~second type of~~ payload traffic.
16. (Currently Amended) The arrangement according to claim 1, wherein the second gateway is arranged to alter the protocol of the ~~first type of~~ signaling traffic.
17. (Previously Presented) The arrangement according to claim 1, wherein the output interface is in accordance with ETSI E1 standard.
18. (Previously Presented) The arrangement according to claim 1, wherein the gateway arrangement is provided between a GSM environment and an IP environment.
19. (Previously Presented) The arrangement according to claim 1, wherein the extracted information is at least one of time slot and address information,
20. (Currently Amended) A gateway arranged to receive first and second types of traffic, the gateway comprising:
 - means for separating the first and second types of traffic;
 - means for outputting the first type of traffic to a second gateway for processing by the second gateway;

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means for receiving a processed first type of traffic from the second gateway, whereby the second type of traffic is transmitted by the means for outputting dependent upon the processed first type of traffic received from the second gateway,

wherein the means for outputting is also means for inputting which is arranged to receive first and second types of traffic signals, the first type of traffic is signaling, traffic and the second type of traffic is payload traffic.

21. (Previously Presented) The arrangement according to claim 1, wherein the gateway arrangement further comprises a plurality of second gateways.

22. (New) A gateway arrangement for receiving traffic comprising a first type of traffic and a second type of traffic, the gateway arrangement comprising a first gateway and a second gateway, the first gateway being arranged to separate the first and second types traffic, the first type of traffic being output to the second gateway, the second gateway being arranged to extract information from the first type of traffic and output the information to the first gateway, and the first gateway having an output interface which is arranged to transmit the second type of traffic dependent upon the extracted information, wherein eight of the first gateways are provided for the second gateway.

23. (New) A gateway arrangement for receiving traffic comprising a first type of traffic and a second type of traffic, the gateway arrangement comprising a first gateway and a second gateway, the first gateway being arranged to separate the first and second types traffic, the first type of traffic being output to the second gateway, the second gateway being arranged to extract information from the first type of traffic and output the information to the first gateway, and the first gateway having an output interface which is arranged to transmit the second type of traffic dependent upon the extracted information, wherein the first gateway is arranged to alter the coding of the payload traffic and the second gateway is arranged to alter the protocol of the signaling traffic.

24. (New) A gateway arrangement for receiving traffic comprising a first type of traffic and a second type of traffic, the gateway arrangement comprising a first gateway and a second gateway, the first gateway being arranged to separate the first and second types traffic, the first type of traffic being output to the second gateway, the second gateway being arranged to extract information from the first type of traffic and output the information to the first gateway, and the first gateway having an output interface which is arranged to transmit the second type of traffic dependent upon the extracted information, wherein the output interface is in accordance with the ETSI E I standard and the extracted information is at least one of time slot and address information.

25. (New) A, gateway arrangement for receiving traffic comprising a first type of traffic and a second type of traffic, the gateway arrangement comprising a first gateway and a second gateway, the first gateway being arranged to separate the first and second types traffic, the first type of traffic being output to the second gateway, the second gateway being arranged to extract information from the first type of traffic and output the

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information to the first gateway, and the first gateway having an output interface which is arranged to transmit the second type of traffic dependent upon the extracted information, wherein the gateway arrangement is provided between a GSM environment and an IP environment and the extracted information is at least one of time slot and address information.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. D'Agosta whose telephone number is 703-306-5426. The examiner can normally be reached on M-F, 8am to 5pm.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

1. The claims recite highly specific designs that, in the examiner's opinion, appear novel over the prior art of record.

2. The independent claims have all included various forms of "objected to" material as pointed out by the examiner in the previous office action:

- a. claim 1 includes previous claim 1 plus claims 8-10
- b. claim 20 includes previous claim 20 plus claims 8-10
- c. new claim 22 is provided as an independent form of claim 14.
- d. New claim 23 includes previous claim 1 and claims 15-16.
- d. New claim 24 includes previous claim 1 and claims 17 & 19.
- e. New claim 25 includes previous claim 1 and claims 18-19.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Trost can be reached on 703-308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Stephen D'Agosta
9-28-04



WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600